

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Gas	3,409 MW
Hydro	2,333 MW
Distillate	0 MW
Total TNB	5,742 MW
Total IPP	13,927 MW
Total Co-Gen	90 MW
Total System	20,041 MW

Maximum Demand Record

Date: 4/20/2016	17,788 MW
Date: 4/20/2016	372,457 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	15:00:00 Hour
Total Set On Bus	17,347 MW
TNB Generation	3,313 MW
IPP Generation	12,538 MW
Spinning Reserve	1,416 MW
Maximum Demand	15,926 MW
Net Energy	335,134 MWH
Load Factor	87.68 %

Gas Usage

Station	(mmscfd)
CBPS	40
GLGR	53
PGPS	25
TJGS	217
Total TNB	335
KLPP	95
MPSS	45
NPRI	147
PGLA	101
PLPS	88
PTEK	3
SGB3	53
SGRI	186
SKSP	29
Total IPP	747
Total Gas	1,082

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Generation Mix

Type	MWh	Percentage
Gas	45,938	13.71 %
Hydro	19,547	5.83 %
Total TNB	65,485	19.54 %
ST-Coal	168,802	50.37 %
Gas	98,394	29.36 %
Total IPP	267,196	79.73 %
Co-Gen	1,937	0.58 %
Total Co-Gen	1,937	0.58 %
Total Generation	334,618	99.85 %
PLTG	185	0.06 %
HVDC	-701	-0.21 %
Interconnection	-516	-0.15 %
Net Energy	335,134	100.00 %

Fuel Cost

Total Cost:	54,617,627.05 RM
Cost per Unit	17.33 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	560
Hydro	295
Syncon	770
Thermal	121
Total	1,746

Time Weather Temperature

Afternoon	Rainy	32
Morning	Rainy	0

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	13214	12629	12311	11908	11675	11581	11902	12075	12235	14025	14846	15568	15506	15186	15691	15926	15785	15396	14425	14200	15186	15084	14455	14028

Prepared By: -Select Name-

Checked By: -Select Name-

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(Gurcharan Singh)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Tuesday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																											
PCUF	CUFK	32	32	30	32	32	30	32	34	31	32	31	33	33	33	32	30	32	32	32	31	32	31	30	32	31	31	31	33	33	31	31	31	31	31	30	31	31	33	32	31	31	31	31	31	31	34	32	32	33		
Total Co-Gen		82	81	79	81	82	79	82	83	79	81	79	82	81	82	81	78	80	81	81	82	82	80	80	81	79	78	79	82	81	78	80	79	79	78	78	80	80	83	82	81	81	81	81	82	85	81	82	86			
Total Gen		13211	12926	12677	12438	12285	12105	11854	11716	11660	11563	11597	11592	11826	12226	12043	12060	12199	13160	14025	14395	14814	15247	15568	15596	15449	15231	15145	15346	15650	15831	15931	15807	15788	15620	15387	14883	14425	14178	14190	14974	15212	15099	15083	14733	14408	14225	13970	13605			
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TIE-HVDC		-29	-29	-29	-29	-29	-30	-29	-29	-29	-29	-29	-29	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29	-30	-30	-30	
TIE-PLTG		25	12	77	40	3	34	-24	-61	13	-21	45	3	-47	26	-2	107	-7	-50	29	-8	-3	-4	29	-36	-28	33	-12	6	-12	3	35	51	32	35	21	17	29	12	19	13	55	-7	28	-20	-18	4	-28	-75			
Interconnection		-3	-17	48	11	-26	4	-54	-90	-15	-50	16	-27	-76	-4	-32	77	-36	-79	0	-37	-32	-33	0	-65	-57	4	-41	-23	-41	-27	5	21	3	5	-9	-12	0	-17	-10	-16	26	-36	-1	-50	-47	-26	-58	-105			
System Total		13214	12943	12629	12427	12311	12101	11908	11806	11675	11613	11581	11619	11902	12230	12075	11983	12235	13239	14025	14432	14846	15280	15568	15661	15506	15227	15186	15369	15691	15858	15926	15786	15785	15615	15396	14895	14425	14195	14200	14990	15186	15135	15084	14783	14455	14251	14028	13710			
SRev ST-Coal		161	152	169	162	155	160	151	160	157	156	170	162	157	161	160	156	160	164	159	164	190	126	104	90	110	79	125	116	96	116	104	113	125	120	120	116	109	124	119	136	118	124	118	118	101	126	112	107			
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		840	1002	1236	1484	1644	1473	1742	1872	1927	2027	1979	1994	1767	1365	1546	1615	1744	1428	1083	821	637	552	430	514	539	717	667	476	340	394	376	478	480	628	849	849	1176	1224	1214	846	460	608	582	331	467	623	839	984			
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		8	9	11	9	8	11	8	7	11	9	11	8	9	8	9	12	10	9	9	8	8	10	10	9	11	12	11	8	9	12	10	11	11	12	12	10	10	7	8	9	9	9	9	8	5	9	8	4			
Syncon		799	799	799	799	799	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	1101	950	950	950	950	799	612	612	612	799	799	799	799	612	612	612	698	698	698	849	849	1036	1036	885	885	885	885	885	885	885	1187	1187			
Hydro		217	207	205	205	204	96	90	90	90	90	89	90	89	86	89	100	87	336	315	333	269	285	262	165	265	268	393	395	246	275	312	326	323	325	323	242	303	206	208	325	285	289	287	287	446	444	46	67			
S.Reserve Total		2025	2169	2420	2659	2810	2841	3092	3230	3286	3383	3350	3355	3123	2721	2905	2984	3102	2887	2516	2276	2054	1772	1418	1390	1537	1875	1995	1794	1490	1409	1416	1540	1644	1812	2045	2066	2447	2597	2585	2201	1757	1915	1881	1629	1904	2087	2192	2349			